

FIRE ALARM SYSTEM NOTES

- 1) CEILING MOUNTED COMBINATION AUDIBLE/VISUAL OCCUPANT NOTIFICATION APPLIANCES SHALL BE PROVIDED AS SHOWN AND IN ACCORDANCE WITH NFPA 72, TABLE 7.5.4.1.1(B). MINIMUM CANDELA SHALL BE 75 CD.
- 2) THE CONTRACTOR SHALL PROVIDE A NEW POWER SUPPLY FOR THE NEW APPLIANCES UNLESS IT CAN BE CONFIRMED (THROUGH CALCUATIONS) THAT THE EXISTING FIRE ALARM POWER SUPPLIES AND BATTERY BACK-UP POWER PROVIDE ADEQUATE POWER FOR THE THREE NEW APPLIANCES (CONSIDERING THE LOSS OF THE POWER DEMANDS ASSOCIATED WITH THE TWO DEMOLISHED 110 CD HORN/STROBES). A NEW POWER SUPPLY SHALL BE PROVIDED AND INSTALLED IF THE ADEQUACY OF THE EXISTING POWER SUPPLIES CANNOT BE CONFIRMED.
- 3) THE HORN TONE AND PATTERN IN EACH NEW NOTIFICATION APPLIANCE SHALL BE THE SAME AS THOSE FOR THE EXISTING OCCUPANT NOTIFICATION APPLIANCES.
- 4) THE THREE NEW CEILING MOUNTED OCCUPANT NOTIFICATION APPLIANCES SHALL HAVE THEIR SIGNALS SYNCHRONIZED.
- 5) THE SUBCONTRACTOR SHALL DEVELOP AND DELIVER A BLOCK DIAGRAM OF THE EXISTING FIRE ALARM SYSTEM AND MODIFICATIONS TO SHOW ALL PANELS, INITIATING DEVICES, NOTIFICATION APPLIANCES AND THEIR INTERCONNECTION. WHILE NOT ALL DEVICES AND APPLIANCES NEED TO BE SHOWN, THE BLOCK DIAGRAM SHALL CLEARLY IDENTIFY THE SYSTEM ARRANGEMENT, CIRCUITS AND THEIR INTERCONNECTION, AND A SEQUENCE OF OPERATIONS CHART FOR THE COMPLETE SYSTEM.

KEYNOTES

- ① NEW CONDUIT, BOXES AND FLEXIBLE RACEWAY DROPS TO CEILING MOUNTED COMBINATION AUDIBLE/VISUAL OCCUPANT NOTIFICATION APPLIANCE
- ② NEW POWER SUPPLY FOR NEW OCCUPANT NOTIFICATION APPLIANCE, IF THE EXISTING POWER SUPPLIES AND BATTERY BACK-UP CANNOT BE CONFIRMED BY CALCULATIONS TO BE ADEQUATE FOR THE NEW POWER DEMANDS.

PARTIAL FIRE ALARM MODIFICATIONS PLAN – ABOVE DROPPED CEILING  
1/8" = 1'-0"

1  
FA1.2 FA1.2



FIRE ALARM FUNCTIONS

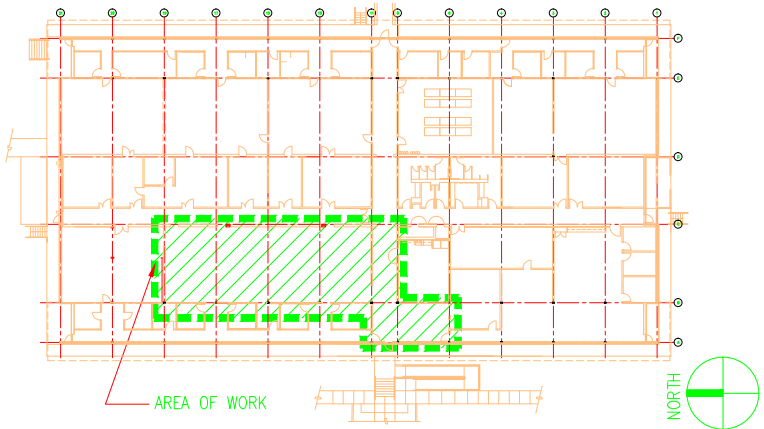
EVENT	RESPONSE				
	ANNUNCIATE EXIST AT FAUJ	FIRE SIGNAL TO REMOTE STATION	TRouble SIGNAL TO REMOTE STATION	SUPERVISORY SIGNAL TO REMOTE STATION	OPERATE BUILDING NOTIFICATION APPLIANCES
FIRE ALARM SIGNAL	•	•	•	•	•
SUPERVISORY SIGNAL	•	•	•	•	•
SYSTEM/DEVICE FAULT	•	•	•	•	•

THIS FUNCTION CHART IDENTIFIES FUNCTIONS ASSOCIATED WITH THE THIS PROJECT, ONLY. FUNCTIONS ASSOCIATED WITH THE REMAINING FEATURES OF THE EXISTING FIRE ALARM SYSTEM ARE NOT SHOWN.

LEGEND

- FAUJ EXISTING RADIONICS FIRE ALARM CONTROL UNIT
- 110 cd EXISTING AUDIBLE/VISUAL NOTIFICATION APPLIANCE
- 110 cd EXISTING VISUAL NOTIFICATION APPLIANCE
- EXISTING RACEWAY JUNCTION BOX
- EXISTING FIRE ALARM CONDUIT RACEWAY
- 110 cd NEW CEILING MOUNTED AUDIBLE/VISUAL NOTIFICATION APPLIANCE
- PS NEW NOTIFICATION APPLIANCE POWER SUPPLY
- NEW RACEWAY JUNCTION BOX
- NEW 3/4" FIRE ALARM CONDUIT RACEWAY

KEYPLAN



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RECORD  
DRAWING  
07/28/06

△	HYT	BT	DH	10/11/05	CONFORMED SET
--	HYT	BT	DH	07/28/06	RECORD DRAWING

JGI – B100  
CONFERRING CENTER  
FIRE ALARM MODIFICATIONS PLAN  
UNIVERSITY OF CALIFORNIA  
LAWRENCE BERKELEY NATIONAL LABORATORY  
FACILITIES DIVISION

DRAWN BY	DWH	DATE	06/28/05
CHECKED BY	BBT	DATE	06/28/05
APPROVED BY			
CAD FILE PATH	00019532		
SCALE	1/8" = 1'-0"		
DRAWING NO.	48100E085A	SHEET	FA1.2
PROJECT NO.	FX5400		29 OF 45